

which is made in the form of a TFT monitor. Information regarding the load and the operating state of the work device attached to the vehicle can be shown on this monitor. The display unit 24 is placed so that it can be swiveled and also rotated relative to the gripping part 12. A movement arm 26 is provided, which correlates the display unit 24 with the gripping part 12 spatially and with which the display unit 24 can be positioned relative to the gripping part 12. The movement arm 26 is placed on the gripping part 12 so that it can rotate around the rotating hinge axis 28, placed essentially perpendicular to the plane of the figure in this representation. On the other hand, the movement arm 26 is connected to the display unit 24 on the back side of the display unit 24—in approximately the middle—via a ball articulation. As the result of the rotating hinge connection between the gripping part 12 and the movement arm 26, the movement arm 26 can rotate or swivel around the rotating hinge axis 28 in a plane that essentially contains the middle axis of the area 16 and is situated perpendicular to the rotating hinge axis 28. As a result of the ball articulation between the movement arm 26 and the display unit 24, it is possible to align the TFT monitor of the display unit 24 such that it can be viewed by an operator directly and comfortably. Figure 1 shows the device 10 in accordance with the invention in a state in which the display unit 24 is located to the left of the gripping part. Figure 2 shows the device 10 in accordance with the invention in a state in which the display unit 24 is located relatively far to the right and above the gripping part 12. Both in the state according to Figure 1 and also in the state according to Figure 2, the display unit 24 is located such that the long sides of the TFT monitor are situated essentially horizontal.

The gripping part 12 has a frame construction, which forms a recess 30. An operator of the vehicle or of the work device can at least partially reach into this recess with his hand and grip at least to a large extent the area 16 of the gripping part 12 with his fingers. The operating elements 18, 20, and 22 are placed such that they can be reached effortlessly in this state by the hand of the operator and, in particular, can be actuated by the thumb of this hand.

Finally, very special reference is made to the fact that the embodiment examples discussed in the preceding are used merely to describe the claimed teaching, but that the teaching is not limited to the embodiment examples.

Claims

1. Device for the operation of a vehicle, which, in particular, is constructed in the form of an agricultural or industrial utility vehicle, with a gripping part (12), which can be placed rigidly on a vehicle console, wherein the gripping part (12) is constructed such that it can be gripped at least in part by one of the operator's hands, and/or that it is suitable at least in part for engagement with an operator's hand, wherein the gripping part (12) has operating elements (18, 20, 22), with which at least one function of the vehicle and/or one function of a work device, that may be attached to the vehicle, can be controlled, and wherein a display unit (24) is

provided that is correlated to the gripping part (12) and can be arranged so that it is adjustable, relative to the gripping part (12).

2. Device according to Claim 1, wherein the display unit (24) has a monitor, preferably, an LCD or a TFT monitor, wherein the monitor can show information regarding the operating state of the vehicle or a work device that can be attached to the vehicle and that, preferably, has a touch-entry capability comparable to a touch screen.

3. Device according to Claim 1 or 2, wherein at least one other operating element is provided on the display unit (24).

4. Device according to one of Claims 1 to 3, wherein the display unit 24 is situated so that it can swivel and/or rotate relative to the gripping part (12).

5. Device according to Claim 4, wherein the display unit (24) can swivel and/or rotate such that a display area of the display unit (24), which is used to show information to the operator, always essentially faces the operator or can always be viewed directly by the operator and/or that the orientation of the display unit (24) can essentially be retained.

6. Device according to one of Claims 1 to 5, wherein the display unit (24) can be locked in a position specified by an operator.

7. Device according to one of Claims 1 to 6, wherein the display unit (24) can be connected to the gripping part (12) or to the vehicle console via a movement arm (26), which is preferably located, articulated, on the gripping part (12) or on the console of the vehicle and/or, alternatively, on the display unit (24).

8. Device according to Claim 7, wherein a connection with rotating hinge characteristics is provided between the movement arm (26) and the gripping part (12) or the console, and/or a connection with ball articulation characteristics is provided between the display unit (24) and the movement arm (26).

9. Device according to Claims 7 or 8, wherein connecting lines for the connection of the display unit (24) to the gripping part (12) or to vehicle electronics are provided, and are located in the movement arm (26).

10. Device according to one of Claims 1 to 9, wherein the gripping part (12) has an essentially cylindrical area (16) that can be gripped at least in part by an operator's hand, wherein the operating elements (18, 20, 22) are preferably located on the cylindrical area (16) such that they can be actuated with the thumb of one of the operator's hands, if the hand grips at least in part the cylindrical area (16).

11. Device according to one of Claims 1 to 10, wherein the gripping part (12) has a recess (30) or a frame, in which an operator's hand can reach in at least partially, wherein the frame preferably has an essentially cylindrical area (16) according to Claim 9.

12. Device according to one of Claims 1 to 11, wherein an operating element (18, 20, 22) of the gripping part (12) is shaped in the form of a—preferably provided for an incremental transducer—rotating knob, a change-over switch, and/or a push-button, wherein the operating

elements (18, 20, 22) are provided, in particular, for the control of a menu, which can be shown on the display unit (24).

13. Device according to one of Claims 1 to 12, wherein the gripping part (12) is constructed such that a part of it is made to be detachable, wherein the detachable part has at least one operating element (18, 20, 22).

14. Device according to Claim 13, wherein the detachable part can be connected to the device via a cable connection or via a radio communication, wherein an operation at a distance from the device is possible.

15. Device according to one of Claims 1 to 14, wherein the console is situated stationary relative to a vehicle frame or stationary relative to an operator's seat.

16. Device according to one of Claims 1 to 15, which has an ISO display functionality, according to the 11783 specification, wherein an information exchange preferably takes place via a CAN bus.